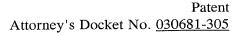
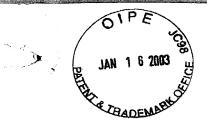
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

E_{ij}^{T}			JIMIENI	
In re F	atent Ap	oplication of)	
	LEE et)	Group Art Unit: 2834
Application No.: 09/873,382				Examiner: K. I. Tamai
Filed:	June 5,	2001	<i>\</i>	Confirmation No.: 4610
For: MICRO-ACTUATOR AND MANUFACTURING METHOD THEREOF				SURE STATEMENT BOX
			N DISCLOS NSMITTAL	SURE STATEMENT E S
		missioner for Patents O.C. 20231		
Sir:				
above-		ed is an Information Disclod patent application.	sure Statem	ent and accompanying form PTO-1449 for the
	[x]	No additional fee for subr	nission of a	n IDS is required.
	[]	The fee of \$180.00 (1806)) as set forth	n in 37 C.F.R. § 1.17(p) is also enclosed.
	[]	A statement under 37 C.F	R. § 1.97(e) is also enclosed.
	[]	A statement under 37 C.F in 37 C.F.R. § 1.17(p) are		e), and the fee of \$180.00 (1806) as set forth sed.
	[]	Charge \$to	Deposit Ac	ecount No. 02-4800 for the fee due.
	[]	A check in the amount of	\$	_ is enclosed for the fee due.
	6, 1.17 a		red by this p	arge any appropriate fees under 37 C.F.R. paper, and to credit any overpayment, to ed in duplicate.
			Respe	ectfully submitted,
Alexar	30x 1404 idria, Vi 336-6620	rginia 22313-1404	Burn By:	Charles F. Wieland III Registration No. 33,096
Date:	Iannary	16, 2003		





IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re P	atent Application of)	
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Jin-ho	LEE et al.)	Group Art Unit: 2834
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Applica	ation No.: 09/873,382)	Examiner: K. I. Tamai
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Filed:	June 5, 2001) .	Confirmation No.: 4610
	,)	
For:	MICRO-ACTUATOR AND)	
	MANUFACTURING METHOD)	
	THEREOF)	
)	

SECOND INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

I, the undersigned, hereby state that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

This Information Disclosure Statement contains information which is not in the English language but was cited in a search report or other action by a foreign patent office in a counterpart foreign application. In accordance with M.P.E.P. § 609A(3) an English language version of the search report or action which indicates the degree of relevance found by the foreign office is being submitted herewith.

Information Disclosure Statement Application No. <u>09/873,382</u> Attorney's Docket No. <u>030681-305</u> Page 2

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner-initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date: January 16, 2003

Charles F. Wieland VI Registration No. 33,096

P.O. Box 1404 Alexandria, Virginia 22313-1404 (703) 836-6620

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Substitute for forms 1449A/PTO & 1449B/PTO

SECOND INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

197 44 292

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04-23-1998

07-19-2000

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Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or A of Cited Docume		Issue/Public Date (MM-DD-Y)	
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	2000-11556		Japan	01-14-200	0 abs	
	5-302182		Japan	11-16-199	3 abs	

NON PATENT LITERATURE DOCUMENTS
Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
P.F. INDERMUEHLE et al.; Design and Fabrication of an Overhanging <i>xy</i> -microactuator with Integrated Tip for Scanning Surface Profiling; May 1, 1994; pages 346-350; Vol. A43, No. 1/3; Sensors and Actuators A, Elsevier Sequoia S.A., Lausanne, Switzerland

Germany

Europe

		,
	D-4-	
Examiner	Date	
Signature	Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



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Zweigstelle in Den Haag Recherchenabteilung European Patent Office

Branch at The Hague Search division Office européen des brevets

Département à La Hayé Division de la

Greene, Simon Kenneth Elkington and Fife, Prospect House, 8 Pembroke Road Sevenoaks, Kent TN13 1XR GRANDE BRETAGNE

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27.11.02		

Zeichen/Ref./Ref.

SKG/G17084EP

Anmeldung Nr./Application No./Demande n°./Patent Nr./Patent No./Brevet n°.

01305088.5-1524-

Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire SAMSUNG ELECTRONICS CO., LTD.

COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

X abstract

IXI title

The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract:

1

REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





EUROPEAN SEARCH REPORT

Application Number EP 01 30 5088

ategory	Citation of document with ir of relevant pass	ndication, where appropriate, ages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)	
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	* figures 1-6 *				
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	* figures 1-17 *				
	* column 6, line 33	- column 9, line 48 * 5 - column 15, line 17			
	* COTUMN 11, TIME 2.	5 - Cordini 15, Trile 17			
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	The present search report has b	een drawn up for all claims			
	Place of search	Date of completion of the search		Examiner	
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X : parti	ATEGORY OF CITED DOCUMENTS cularly relevant if taken alone cularly relevant if combined with anoth	T : theory or princip E : earlier patent do after the filling da er D : document cited L : document cited	cument, but publi ate in the application	invention shed on, or	



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	Place of search	Date of completion of the search	<u></u>	Examiner
	BERLIN	14 November 20		esello, P
X : partic Y : partic docur	TEGORY OF CITED DOCUMENTS sularly relevant if taken alone cularly relevant if combined with another ment of the same category	E : earlier pater after the filir D : document c L : document c	inciple underlying the int document, but publicing date ited in the application ited for other reasons	nvention shed on, or
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ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 01 30 5088

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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